

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 8 Numbers](#)[Edit 8 Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L7 and runaway	0

Database:

US Patents Full-Text Database  
 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
 EPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L8

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**
**DATE: Monday, February 25, 2002**
[Printable Copy](#)
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**Set Name**  
 side by side
**Query**
**Hit Count**  
**Set Name**  
 result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L8</u>	L7 and runaway	0	<u>L8</u>
<u>L7</u>	L2 and restriction near endonuclease\$ near5 toxic	1	<u>L7</u>
<u>L6</u>	L5 and runaway near replicat\$	5	<u>L6</u>
<u>L5</u>	l2 and tight\$ near regulat\$	186	<u>L5</u>
<u>L4</u>	L3 and restriction near endonuclease\$	9	<u>L4</u>
<u>L3</u>	L2 and runaway near3 replication	20	<u>L3</u>
<u>L2</u>	L1 and promoter\$ near10 RNA near polymerase\$	3873	<u>L2</u>
<u>L1</u>	plasmid\$ near5 vector\$	23450	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 20 of 20 returned.**☐ 1. Document ID: US 6339065 B1

L3: Entry 1 of 20

File: USPT

Jan 15, 2002

US-PAT-NO: 6339065

DOCUMENT-IDENTIFIER: US 6339065 B1

TITLE: Episomal expression vector for human gene therapy

DATE-ISSUED: January 15, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; Mark J.	Solon	OH		

US-CL-CURRENT: 514/44; 435/455, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
Drawn Desc	Image										

☐ 2. Document ID: US 6294372 B1

L3: Entry 2 of 20

File: USPT

Sep 25, 2001

US-PAT-NO: 6294372

DOCUMENT-IDENTIFIER: US 6294372 B1

TITLE: Replication genes and gene products from small cryptic plasmids and methods for constructing controlled-replication plasmid vectors

DATE-ISSUED: September 25, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burian; Jan	Vancouver			CAX
Kay; William W.	Victoria			CAX

US-CL-CURRENT: 435/252.33; 435/320.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
Drawn Desc	Image										

☐ 3. Document ID: US 6255071 B1

L3: Entry 3 of 20

File: USPT

Jul 3, 2001

US-PAT-NO: 6255071

DOCUMENT-IDENTIFIER: US 6255071 B1

TITLE: Mammalian viral vectors and their uses

DATE-ISSUED: July 3, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beach; David H.	Huntington Bay	NY		
Hannon; Gregory J.	Huntington	NY		
Conklin; Douglas	Huntington Bay	NY		
Sun; Peiqing	Huntington	NY		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/455, 435/6, 536/23.1, 536/23.5, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw	Desc	Image									

☐ 4. Document ID: US 6165749 A

L3: Entry 4 of 20

File: USPT

Dec 26, 2000

US-PAT-NO: 6165749

DOCUMENT-IDENTIFIER: US 6165749 A

TITLE: Plasmid

DATE-ISSUED: December 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sagawa; Hiroaki	Kusatsu			JPX
Ueno; Harumi	Kusatsu			JPX
Oshima; Atsushi	Otsu			JPX
Kato; Ikunoshin	Uji			JPX

US-CL-CURRENT: 435/69.1; 435/320.1, 435/471, 435/476, 435/478

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw	Desc	Image								

☐ 5. Document ID: US 6117658 A

L3: Entry 5 of 20

File: USPT

Sep 12, 2000

US-PAT-NO: 6117658

DOCUMENT-IDENTIFIER: US 6117658 A

TITLE: Methods of making polyhydroxyalkanoates comprising 4-hydroxybutyrate monomer units

DATE-ISSUED: September 12, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dennis; Douglas E.	Weyers Cave	VA		
Valentin; Henry E.	Chesterfield	MO		

US-CL-CURRENT: 435/135; 435/141, 435/146, 435/170

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMMC

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6. Document ID: US 6103470 A

L3: Entry 6 of 20

File: USPT

Aug 15, 2000

US-PAT-NO: 6103470

DOCUMENT-IDENTIFIER: US 6103470 A

TITLE: Plasmid for delivery of nucleic acids to cells and methods of use

DATE-ISSUED: August 15, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eastman; Eric M.	Houston	TX		
Durland; Ross H.	The Woodlands	TX		

US-CL-CURRENT: 435/6; 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMMC

---

7. Document ID: US 6063627 A

L3: Entry 7 of 20

File: USPT

May 16, 2000

US-PAT-NO: 6063627

DOCUMENT-IDENTIFIER: US 6063627 A

TITLE: Methods and vectors for site-specific recombination

DATE-ISSUED: May 16, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McVey; Duncan L.	Derwood	MD		
Kovesdi; Imre	Rockville	MD		

US-CL-CURRENT: 435/440; 435/320.1, 435/455, 536/23.1, 536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMMC

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8. Document ID: US 6013451 A

L3: Entry 8 of 20

File: USPT

Jan 11, 2000

US-PAT-NO: 6013451

DOCUMENT-IDENTIFIER: US 6013451 A

TITLE: Bacillus stearothermophilus DNA Polymerase I (klenow) clones including those with reduced 3'- to -5' exonuclease activity

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wong; Victor Thi Wong	Singapore			SGX
Phang; Seng Meng	Singapore			SGX
Tan; Tien Chye	Jalan Rabu			SGX

US-CL-CURRENT: 435/6; 435/194, 435/91.2, 536/22.1, 536/23.1, 536/24.1, 536/24.3, 536/24.31, 536/24.32, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

☐ 9. Document ID: US 5948663 A

L3: Entry 9 of 20

File: USPT

Sep 7, 1999

US-PAT-NO: 5948663

DOCUMENT-IDENTIFIER: US 5948663 A

TITLE: Purified thermostable pyrococcus furiosus DNA polymerase I

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/71.2, 435/91.2, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

☐ 10. Document ID: US 5866395 A

L3: Entry 10 of 20

File: USPT

Feb 2, 1999

US-PAT-NO: 5866395

DOCUMENT-IDENTIFIER: US 5866395 A

TITLE: Purified thermostable pyrococcus furiosus DNA polymerase I

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.33, 435/320.1, 435/71.2, 536/23.1, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

☐ 11. Document ID: US 5801030 A

L3: Entry 11 of 20

File: USPT

Sep 1, 1998

US-PAT-NO: 5801030

DOCUMENT-IDENTIFIER: US 5801030 A

TITLE: Methods and vectors for site-specific recombination

DATE-ISSUED: September 1, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McVey; Duncan L.	Derwood	MD		
Kovesdi; Imre	Rockville	MD		

US-CL-CURRENT: 435/456; 435/320.1, 435/462, 536/23.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

☐ 12. Document ID: US 5770374 A

L3: Entry 12 of 20

File: USPT

Jun 23, 1998

US-PAT-NO: 5770374

DOCUMENT-IDENTIFIER: US 5770374 A

TITLE: Methods for identifying oncogenes and anti-oncogenes

DATE-ISSUED: June 23, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; Mark J.	Solon	OH		

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

☐ 13. Document ID: US 5763270 A

L3: Entry 13 of 20

File: USPT

Jun 9, 1998

US-PAT-NO: 5763270

DOCUMENT-IDENTIFIER: US 5763270 A

TITLE: Plasmid for delivery of nucleic acids to cells and methods of use

DATE-ISSUED: June 9, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eastman; Eric M.	Houston	TX		
Durland; Ross H.	The Woodlands	TX		

US-CL-CURRENT: 435/320.1; 435/6, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

## 14. Document ID: US 5716803 A

L3: Entry 14 of 20

File: USPT

Feb 10, 1998

US-PAT-NO: 5716803

DOCUMENT-IDENTIFIER: US 5716803 A

TITLE: Recombinant protein production with reduced expression of selectable markers

DATE-ISSUED: February 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Panayotatos; Nikos	Orangebourg	NY		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/91.4, 435/91.41, 435/91.42, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

## 15. Document ID: US 5624820 A

L3: Entry 15 of 20

File: USPT

Apr 29, 1997

US-PAT-NO: 5624820

DOCUMENT-IDENTIFIER: US 5624820 A

TITLE: Episomal expression vector for human gene therapy

DATE-ISSUED: April 29, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; Mark J.	Solon	OH		

US-CL-CURRENT: 435/69.1; 435/320.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

## 16. Document ID: US 5545552 A

L3: Entry 16 of 20

File: USPT

Aug 13, 1996

US-PAT-NO: 5545552  
DOCUMENT-IDENTIFIER: US 5545552 A

TITLE: Purified thermostable pyrococcus furiosus DNA polymerase I

DATE-ISSUED: August 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/252.3; 435/194, 435/252.33, 435/320.1, 435/325, 435/419,  
435/71.2, 536/23.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Drawn Desc	Image									

☐ 17. Document ID: US 5489523 A

L3: Entry 17 of 20

File: USPT

Feb 6, 1996

US-PAT-NO: 5489523  
DOCUMENT-IDENTIFIER: US 5489523 A

TITLE: Exonuclease-deficient thermostable Pyrococcus furiosus DNA polymerase I

DATE-ISSUED: February 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/71.2,  
536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Drawn Desc	Image									

☐ 18. Document ID: US 5445954 A

L3: Entry 18 of 20

File: USPT

Aug 29, 1995

US-PAT-NO: 5445954  
DOCUMENT-IDENTIFIER: US 5445954 A

TITLE: System for automatic gene amplification and expression

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huang; Ru C.	Baltimore	MD		
Giza; Paul E.	Baltimore	MD		

US-CL-CURRENT: 435/252.33; 435/252.3, 435/252.31, 435/320.1, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

## 19. Document ID: US 5256568 A

L3: Entry 19 of 20

File: USPT

Oct 26, 1993

US-PAT-NO: 5256568

DOCUMENT-IDENTIFIER: US 5256568 A

TITLE: Vectors and transformed most cells for recombinant protein production with reduced expression of selectable markers

DATE-ISSUED: October 26, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Panayotatos; Nikos	Orangebourg	NY		

US-CL-CURRENT: 435/252.33; 435/252.3, 435/320.1, 435/69.1, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

## 20. Document ID: US 4495280 A

L3: Entry 20 of 20

File: USPT

Jan 22, 1985

US-PAT-NO: 4495280

DOCUMENT-IDENTIFIER: US 4495280 A

TITLE: Cloned high signal strength promoters

DATE-ISSUED: January 22, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bujard; Hermann G.	Heidelberg			DEX
Chang; Annie C. Y.	Palo Alto	CA		
Cohen; Stanley N.	Portola Valley	CA		

US-CL-CURRENT: 435/6; 435/29, 435/481, 435/69.1, 435/91.4, 435/91.41, 536/23.4, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

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Terms	Documents
L2 and runaway near3 replication	20

**Display Format:**

[Previous Page](#)

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 **PALM INTRANET**

Day : Monday  
Date: 2/25/2002  
Time: 09:51:05

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name****First Name**

sagawa

hiroaki

(To go back use Back button on your browser toolbar.)

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# PALM INTRANET

Day : Monday  
Date: 2/25/2002  
Time: 09:51:05

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name**

**First Name**

ueno

harumi

Search

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HILIGHT set on as ''

**HILIGHT set on as ''**

? begin 5,6,55,154,155,156,312,399,biotech,biosci

Set	Items	Description
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? s plasmid (5n) vector?

531230	PLASMID
1074948	VECTOR?

S1 -1464 PLASMID (1N) VECTOR?

? s S1 and promoter (1n) RNA (1n) polymerase?

Processed 10 of 33 files ...

Processing

Completed processing all files

51464	S1
848418	PROMOTER?
2265551	RNA
1287189	POLYMERASE?
50931	PROMOTER(15N)RNA(2N)POLYMERASE?

S1 -617 S1 AND PROMOTER? (5N) RNA (2N) POLYMERASE?

? s S2 and runaway (1n) replication

617	S1
11719	RUNAWAY
134110	REPLICATION
493	RUNAWAY(1N)REPLICATION

S2 -0 S1 AND RUNAWAY (1N) REPLICATION

? s S2 and runaway

617	S1
11719	RUNAWAY

S4 -0 S1 AND RUNAWAY

? s S3 and tight? (3n) regulat?

Processing

Processed 11 of 37 files ...

Completed processing all files

617	S1
515184	TIGHT?
5133010	REGULAT?
12718	TIGHT?(3N)REGULAT?

S3 -6 S1 AND TIGHT? (3N) REGULAT?

End of 5/1-0

Display 5/3-1 (Item 1 from file: 34)

DIALOG(b)File 34:SciSearch(E) Cited Ref: Sci

(c) 1997 Inst for Sci Info. All rts. reserv.

03958551 Genuine Article#: Q0915 No. References: 16

Title: REGULATION OF PCD4-183 GENE-EXPRESSION FROM PHAGE-T7-BASED VECTORS IN ESCHERICHIA-COLI

Author(s): KELLEY EC; HUESTIS KC; AUSTEN DA; SANDERSON CT; DONOGHUE MA; STICKEL SK; KAWASAKI ES; OSBURN MS

Corporate Source: PROCEPT INC, 840 MEM DR, CAMBRIDGE/MA/02139; PROCEPT INC/CAMBRIDGE/MA/02139

Journal: GENE, 1997, V156, NO (APR 14), P33-36

ISSN: 0378-1119

Language: ENGLISH Document Type: NOTE (Abstract Available)

- end of record -

?

Display 5/3/2 (Item 1 from file: 98)

DIALOG(b)File 98:General Sci Abs/Full-Text

(c) 1992 The HW Wilson Co. All rts. reserv.

089433-- H.W. WILSON RECORD NUMBER: EGSI99055288 (USE FORMAT 7 FOR FULLTEXT)

The anti-sigma factors.

Higgins, Kelly T

Mathew, Kalai

Annual Review of Microbiology (Annu Rev Microbiol) v. 52 ('98) p. 231-86

SPECIAL FEATURES: full al ISSN: 0366-4227

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORLD COUNT: 15033

- end of record -

?

Display 4/3/3 (Item 1 from file: 144)

DIALOG(F)File 144: Pascal

(c) 1991 INIST/CNRS. All rts. reserv.

11432103 PASCAL No.: 01-0084121

Reduced background expression and improved **plasmid** stability with **pET vectors** in BL21 (DE3)

PAN Sai-Hao; MALCOLM Bruce A

Schering-Plough Research Institute, Kenilworth, NJ, United States

Journal: Biotechniques, 1990, 29 (6) 1234-1238 (4 p.)

Language: English

Copyright (c) 1991 INIST-CNRS. All rights reserved.

- end of record -

?

Display 5 3/4 (Item 1 from file: 144)

DIALOG(F)File 144: Pascal

(c) 1992 INIST/CNRS. All rts. reserv.

14114276 PASCAL No.: 99-010896

Synthesis of a eukaryotic virus protein in a prokaryotic viral-cell system : production of the adenovirus type 2 fiber shaft fragment by a **tightly regulated TYPOL-M13** expression system

GUENAS M; BOFFIGUEN E; NILSSON B; EVERITT E; BORREBAECK C

Immunotechnology and Diagnosis Division, Center for Genetic Engineering and Biotechnology (CIGB), Havana, Cuba; Department of Microbiology, Lund University, Sölvegatan 12, 223 62 Lund, Sweden; Department of

Immunotechnology, Lund University, Sölvegatan 35, 223 62 Lund, Sweden

Journal: Journal of virological methods, 1999, 79 (2) 121-131

Language: English

Copyright (c) 1999 INIST-CNRS. All rights reserved.

- end of record -

?

Display 5 3/5 (Item 1 from file: 266)

DIALOG(F)File 266: PEPPIP

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00265174

IDENTIFYING NO.: 1178736 AGENCY CODE: AGFIC

SPECIFICATION CONTROL OF ENTEROTOXIN SYNTHESIS IN CLOSTRIDIUM

ASSOCIATE INVESTIGATORS: Melville, S. B.

PERFORMING ORG.: UNIVERSITY OF TENNESSEE, MICROBIOLOGY & IMMUNOLOGY,

- end of record -

?

Display 5.3.6 (Item 1 from file: 357)  
DIALOG File 357:Derwent Biotechnology Abs  
(c) 1995 Derwent Publ Ltd. All rts. reserv.

U187140 IRA Accession No.: 95-14920  
Phage RNA-polymerase vectors that allow efficient gene expression in both  
prokaryotic and eukaryotic cells - high level recombinant protein  
production from plasmid pBR81 or plasmid pBR84 in bacterium or mammal  
cell culture  
AUTHOR: He B; McAllister W T; Durbin F K  
CORPORATE AFFILIATE: Morse-Inst.Mol.Genet.Brooklyn Univ.New-York-State  
CORPORATE SOURCE: Department of Microbiology and Immunology, SUNY Health  
Science Center at Brooklyn, 450 Clarkson Avenue, Brooklyn, NY  
11203-1098, USA. email: durbin@medlab.hscbrooklyn.edu  
JOURNAL: Gene 164, 1, 75-79 1995  
ISSN: 0378-1119 CODEN: GENED6  
LANGUAGE: English

- end of display -

End of file

Display 5.3.6 (Item 1 from file: 357)  
DIALOG File 357:Derwent Biotechnology Abs  
(c) 1995 Derwent Publ Ltd. All rts. reserv.

U187140 IRA Accession No.: 95-14920  
Phage RNA-polymerase vectors that allow efficient gene expression in both  
prokaryotic and eukaryotic cells - high level recombinant protein  
production from plasmid pBR81 or plasmid pBR84 in bacterium or mammal  
cell culture  
AUTHOR: He B; McAllister W T; Durbin F K  
CORPORATE AFFILIATE: Morse-Inst.Mol.Genet.Brooklyn Univ.New-York-State  
CORPORATE SOURCE: Department of Microbiology and Immunology, SUNY Health  
Science Center at Brooklyn, 450 Clarkson Avenue, Brooklyn, NY  
11203-1098, USA. email: durbin@medlab.hscbrooklyn.edu  
JOURNAL: Gene 164, 1, 75-79 1995  
ISSN: 0378-1119 CODEN: GENED6  
LANGUAGE: English  
ABSTRACT: Expression vectors that direct the synthesis of proteins from a  
common set of signals in both prokaryotic and eukaryotic cells are  
described. To allow transcription from a common **promoter**, the

-more-

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Display 5.3.6 (Item 1 from file: 357)  
DIALOG File 357:Derwent Biotechnology Abs  
(c) 1995 Derwent Publ Ltd. All rts. reserv.

vectors use a phage **RNA-polymerase** (RNAP). To direct  
translation initiation to the same start codon, the vectors use an  
internal ribosome entry site from EMC virus that has been modified to  
include a prokaryotic ribosome binding site upstream from the desired  
start codon. The vectors give levels of expression in eukaryotic cells  
that exceed those of a conventional RNAP-II-based system by 7-fold, and  
expression in bacteria at levels comparable to other phage RNAP-based  
systems. Inclusion of a lac repressor and a phage promoter/lac operator  
fusion element (e.g. plasmid pBR84 carrying the phage T7 promoter and  
lac operator) allows **tight regulation**. Cotransfection of

eukaryotic cells with the expression vector and a vector encoding the phage RNAP gives a high-level transient expression without the need to construct specialized stable cell lines. (23 ref)  
DESCRIPTORS: high level recombinant protein prep., **vector** e.g. **plasmid** pBH32, **plasmid** pBH34, expression in prokaryote e.g. bacterium, eukaryote cell culture from common **promoter**, EMC virus internal ribosome entry site, phage **RNA-polymerase** enzyme

-more-

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Display 5/9/8 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotechnology Abs  
(c) 2002 Derwent Publ Ltd. All rts. reserv.  
cloning picorna virus animal mammal (Vol.14, No.25)  
SECTION: GENETIC ENGINEERING AND FERMENTATION-Nucleic Acid Technology; CELL  
CULTURE-Animal Cell Culture (A1,J1)

- end of display -

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